SOW-00-837-2-09377A-1/1

STATEMENT

OF

WORK

FOR

REBUILD OF THE SERVICING PLATFORM

NSN 2320-01-312-2616

ID No. 09377A

EFFECTIVE DATE: 1 July 1999

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Appendix A. Pre-Induction Checklist

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STATEMENT OF WORK
FOR REBUILD OF THE SERVICING PLATFORM
NSN 2320-01-312-2616, ID 09377A

1.0 **SCOPE**. This Statement of Work (SOW) establishes and sets forth the task and identifies the work efforts that shall be performed by the Contractor in the rebuild effort of the Servicing Platform, Model LRT 110. These documents contain requirements to restore the Servicing Platform to condition code "A". Condition code A is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned material which is serviceable/issuable to all customers without limitation or restriction.

1.1 **BACKGROUND**. This SOW identifies the work effort that shall be performed by the Contractor to rebuild the Servicing Platform, NSN 2320-01-312-2616 in support of the Crane, Wheeled Mounted, 7 ½ Ton, Model LRT 110, NSN 3810-01-165-0647.

2.0 **APPLICABLE DOCUMENTS**. The following documents form a part of this SOW to the extent specified.

2.1 **MILITARY STANDARDS**.

MIL-STD-129	DoD Standard Practice for Military Marking.
MIL-STD-130	U.S. Military Property, Identification Marking of

2.1.1 **MILITARY STANDARDS (GUIDANCE ONLY)**

MIL-STD-973	Configuration Management

2.2 **OTHER GOVERNMENT DOCUMENTS AND PUBLICATION**. The issues of these documents cited below shall be used.

DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Material from the Federal Supply System
TM 3080-34	Corrosion Prevention and Control
TM -4750-15/1	Painting and Registration Marking of Marine Corps Combat and Tactical Equipment

LRT 110 BOOM MTD WORK PLATFORM KOEHRING Commercial Installation, Operation & Maintenance Instructions (Military Publication Control Number 50000126800 applies).

LRT 110 BOOM MTD PLATFORM	Supplement 1, Koehring Commercial Installation, Operation & Maintenance Instructions (Military Publication Control Number 50000126870 applies)

2.3 **INDUSTRY STANDARDS**.

ANSI/ISO/ASQC Q9003-1994	Quality Systems Model for Quality Assurance in Final Inspection and Test
ASTM D 3951-98	Standard Practice for Commercial Packaging.

Copies of military specifications and standards are available from the Naval Publications and Forms Center, (Attn.: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099. Copies of other government documents and publications required by contractor in connection with specific SOW requirements shall be obtained through the Contracting Officer: Commander, Attn: Contracting Officer (Code 891) Marine Corps Logistics Bases, 814 Radford Blvd, Albany, Georgia 31704-1128, commercial telephones number (912) 439-6761 or DSN 567-6761. Copies of engineering drawings, Engineering Change Proposals and Request for Deviations/Waivers if applicable, shall be obtained from Life Cycle Management Center Attn: Code 825-3, 814 Radford Blvd STE 20320, Albany, Georgia 31704-0320, commercial telephone number (912) 439-6410 or DSN 567-6410.

3.0 **REQUIREMENTS**.

3.1 **GENERAL TASKS**: In fulfilling the specified requirements, the Contractor shall:

a. Perform a complete overhaul/rebuild of the Servicing Platform in accordance with Koehring Commercial Installation, Operation & Maintenance Instructions Manual and Supplement.

b. Provide materials, labor, facilities, repair parts, and missing parts necessary to inspect, diagnose, restore, and test the Servicing Platform. Upon completion of the rebuild, the Servicing Platform shall be condition code "A".

c. All Servicing Platform systems and components shall operate as designed intended.

d. All Servicing Platforms shall have a "Like New" appearance.

3.2 **REBUILD OBJECTIVE AND FUNCTIONS**. After Rebuild, the Servicing Platform shall have the following minimum characteristics:

a. Reliable as per system specifications.

b. Maintainable as per system specifications.

c. Serviceable (Condition Code "A").

d. Latest Marine Corps Configuration.

e. All equipment systems and components shall operate as intended.

f. All Servicing Platforms shall have a "Like New" appearance.

3.3. **DETAIL TASKS.** The following tasks describe the different phases for Rebuild of the Servicing Platform.

Phase I	Pre-Induction
PhaseII	Rebuiuld
Phase III	Inspection, testing and acceptance
Phase IV	Preparation for shipment or storage

3.3.1. **PHASE I-PRE-INDUCTION.**

a. A pre-induction inspection analysis shall be performed for the Servicing Platform using the Contractor's diagnosis, inspection and testing techniques to determine extent of work and parts required. These findings shall be annotated on the Pre- Induction Checklist located in Appendix A and shall be maintained and be made available upon request to the MARCORLOGBASES Albany, representatives.

b. Test equipment shall be used to determine that assemblies and subassemblies meet prescribed reliability, performance, and work requirements. In cases when conformance to the SOW cannot be certified through existing inspection and testing procedures and by use of diagnostic equipment, the assembly shall be removed, disassembled, inspected, tested or repaired to the degree necessary to assure full conformance with this SOW.

c. Oil seal and gasket leakage. Evidence of lubricating or hydraulic oils passing through or around a seal is not a defect; however, consideration must be given to the fluid capacity in the item being checked/inspected. Inspection shall normally be performed during and immediately following an operational test, but not sufficient duration to allow the fluids to return to ambient temperature. The following shall be used as a guide in determining degree of oil loss:

1. Class I - Seepage of fluid (indicated by wetness or discoloration) not great enough to form drops.
2. Class II - Leakage of fluid great enough to form drops, but not enough to cause drops to fall from the item being checked/inspected.
3. Class III - Leakage of fluid great enough to form drops that fall from the item being checked/inspected.

NOTE

A CLASS I OR II LEAK, EXCEPT FUEL SYSTEM AND BRAKE SYSTEM, IS AN ACCEPTABLE CONDITION AT ANY TIME AND DO NOT REQUIRE CORRECTIVE ACTION.

3.3.2 **PHASE II - REBUILD.** Rebuild shall be performed at the Contractor's facility. Information recorded on the Pre-Induction Checklist (Appendix A) during pre-inspection phase shall be used as a guide by the contractor to achieve the mechanical baseline of production. After pre-induction tests and inspections have been completed, repair of the Servicing Platform shall be accomplished in accordance with this SOW and KOEHRING Commercial Installation, Operation & Maintenance Instructions. Deficiencies noted on the Pre-Induction Checklist during Phase I shall be repaired/replaced.

1. **SERVICE AND PARTS MANUAL**: The Service and Parts Manuals listed below contains repair procedures and repair parts list for the Servicing Platform. Repair procedures contained in these manuals are to be used to repair deficiencies identified on the Pre-Induction Checklist (Appendix A).

a. KOEHRING Commercial Installation, Operation & Maintenance Instructions

b. Supplement 1, KOEHRING Commercial Installation, Operation & Maintenance Instructions

2. **DETAILED MECHANICAL WORK**: Servicing Platforms received for rebuild shall be worked in accordance with the following paragraphs. All discrepancies noted on the Pre-Induction Checklist (Appendix A) shall be repaired/replaced.

3. **HARDWARE**:

a. Replace broken, unserviceable and/or missing hardware, including nuts, bolts, screws, washers, turnlock fasteners, safety, and one time use items, etc., in accordance with the rebuilt. Unserviceable would include any of the above that fails to function properly.

b. Ensure proper hardware locking devises are present on all moving mechanical assemblies.

c. Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

d. Hardware used in this rebuild shall be in accordance with existing technical publications.

4. **HYDRAULIC SYSTEM**. The hydraulic system is a hand operated system that provides hydraulic pressure to adjust the platform to a level work position. Hydraulic system

consist of Leveling Pump and Handle Assembly, Directional Control Valve, Level Lock Valve, Hydraulic Hoses, and a Leveling Cylinder. Hydraulic components are to be cleaned, tested, and repaired/replaced as required. No leakage of the hydraulic system is permitted. Inspection, testing, and repair/replacement procedures are contained in the Koehring Commercial Manual.

5. **PLATFORM FRAME, ADAPTER ASSEMBLY, GUARDS, AND PLATE ASSEMBLIES**. Platform frame shall contain no weld cracks. Platform sides and deck shall contain no holes that were not design into the platform. Deformed, cracked, or corroded members of the platform structure shall be repaired/replaced as required. Replace missing guards and plate assemblies. Inspect gate assembly, gate hinges, and latch for damage and proper operation. Repair/replace components as required. Inspect decking and side wall expanded metal panels to assure panels are securely mounted (welded) to the platform structure. No loose panels are permitted. Inspect boom tip retaining pin, leveling cylinder pin, pin retaining devises, adapter assembly, and platform support ears for damage, bent, missing or corroded components. Replace as required. Inspect very closely the adapter assembly and the platform support ears for damage. Repair/replace items as required.

6. **RUST PROOFING AND PAINTING**. All Servicing Platforms shall be rust proofed as required. Rust proofing shall be in accordance with TM 3080-34. Prime and paint per latest edition of TM 4750-15/1. Paint color shall be Desert Sand or 383 Green. Color of the platform will be identified by the Weapon System Manager and/or their representative(s) upon induction into the rebuild cycle.

7. **DATA PLATES AND DECALS**. Each rebuilt platform shall have a rebuild data plate affixed next to the original platform data plate. The data plate shall meet the requirements of MIL-STD-130. Replace all data plates and decals that are missing and illegible. Rebuild data plates shall be prepared by the Contractor and contain the following information:

PLATFORM SERIAL NO. _____
REBUILT IN ACCORDANCE WITH SOW 837-09377A-1/1.
CONTRACTOR _____
DATE _____

3.3.3. **PHASE III - INSPECTION, TESTING AND ACCEPTANCE.**

a. Inspection, testing and acceptance of the Servicing Platform shall be conducted in accordance with Koehring Commercial Manual and this SOW.

b. The Contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are available to complete the final acceptance. Acceptance test shall be held at the Contractor's facility. Weapon System Manager and/or their representative(s) shall be given a minimum of two weeks notice piror to beginning acceptance testing. The test area shall be cleared of all equipment part, components, ect, not required for the test.

c. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. Weapon System Manager and/or their representative(s) may require the Contractor to report tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

d. Equipment Markings. Registration numbers and other markings shall be applied in accordance with TM 4750-15/1.

3.3.4 **PACKAGING, HANDLING, STORAGE AND TRANSPORTATION (PHS&T).**

a. The Contractor shall be responsible for preservation and packaging of items being rebuilt under the terms of this SOW. Preservation and packaging shall be in accordance with ASTM D 3951-98.

b. Marking shall be in accordance with MIL-STD-129.

c. The Marine Corps will provide the Contractor with the shipping address(es) for delivery of the rebuilt equipment, and the Contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the equipment to and from the Contractor.

3.4 **CONFIGURATION CONTROL.**

The baseline configuration has been established in the Koehring commercial manual. No deviations from this baseline configuration shall be allowed, unless specifically authorized in writing by Marine Corps Logistics Bases (Code 837), Albany Georgia representatives. When deemed necessary to depart from the approved baseline, the Contractor shall prepare and submit a Request for Deviation or Request for Waiver using MIL-STD-973, paragraphs 5.4.3 and 5.4.4, subparagraphs and appendix E as guidance.

3.5 **GOVERNMENT FURNISHED EQUIPMENT(GFE)/GOVERNMENT FURNISHED MATERIAL(GFM)**

GFE is government owned equipment authorized by contract for use by commercial/Government contractor. It is neither consumed during production or incorporated into any product. GFM is material furnished to a contractor that will be consumed during the course of production or incorporated into the product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements, the Management Control Activity (MCA/G316-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets. The contractor shall report receipt of all GFM and and report consumption of GFM to the MCA.

3.6 CONTRACTOR FURNISHED MATERIEL(CFM).

The Marine Corps has adapted the Navy's procedures regarding Contractor Furnished Material (NAVICPINST 4491.2A). In the event that Contractor Furnished Materiel (CFM) is required for repair parts, the Contractor shall requisition repair parts through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP), Chapter 11 authorizes contractor to requisition through the DoD Supply System.

3.7 QUALITY ASSURANCE PROVISIONS

The Contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ASQC Q9003-1994, Quality System Model for Quality Assurance in Final Inspection and Test. Contractor format is aithorized for the Quality System Plan (QSP). which is to be submitted concurrent with Bid Proposal. One copy is to be submitted to Life Cycle Management Center, Attn: (Code 837-2), 814 Radford Blvd. Suite 20320, Albany, Georgia 31704-0320. The Government has the option to waive the QSP requirements. If Contractor is ANSI/ISO/ASQC Q9003-94 certified or has a acceptable plan which has been previously approved, the name of the Approving/Certifying Activity and Date of Approval shall be submitted to the Government. In the event the Government exercises the option to waive the QSP, the previously approved QSP will apply to this contract.

3.8 ACCEPTANCE.

The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in process review and inspection during performance. Inspection may be accomplished in plant or at any work site or location, and Marine Corps representatives shall be permitted to observe the work or to conduct inspection at all reasonable hours. Final inspection and acceptance testing shall be conducted at the Contractor's facility. Final acceptance shall be conducted on 100 percent of items to verify that the units meet all requirements. Platforms rebuilt under the provisions of this SOW shall be accomplished in accordance with Koehring Commercial Installation, Operation & Maintenance Instructions, and this SOW.

3.9 REJECTION.

Failure to comply with any of the specified requirements listed herein shall be reason for rejection by the Weapon System Manager and/or their representative(s). The Contractor at no additional cost to the Marine Corps shall provide the following:

a. Develop an approach for modification or correction of all deficiencies.

b. On approval of a documented approach, the Contractor shall correct the deficiencies and repeat verification until compliance test procedures is demonstrated.

4.0 REPORTS

4.1 **Pre-Induction Checklist**. The Contractor shall complete the Pre-Induction Checklist (Appendix A) for each Platform rebuilt under this SOW. This document shall be available during final acceptance testing. One copy of each document shall be provided to the Weapon System Manager and/or their representative(s) after final acceptance of the Platform, or upon request.

4.2 **Final Inspection Checklist**. The Contractor shall complete the Final Inspection Checklist (Appendix B) for each Platform rebuilt under this SOW. This document shall be available during final acceptance testing. One copy of each document shall be provided to the Weapon System Manager/or their representative(s) after final acceptance of the Platform, or upon request.

PRE-INDUCTION CHECKLIST
SERVICING PLATFORM, MODEL LRT 110

Equipment Serial No. _____

Servicing Platform **Model LRT 110** **NSN 2320-01-312-2616**	SAT	MISSING	SERVICE	ADJUST	REPAIR	REPLACED	MODIFY	REMARKS
1. Platform Assembly a. Guards b. Gate Assembly 1. Hinges 2. Latch 3. Gate c. Decking d. Side Walls e. Platform Frame Members								
2. Adapter Assembly a. Weldment b. Pins and Pin Retainers								
3. Hydraulic System a. Leakage b. Hydraulic Cylinder c. Hydraulic Pump d. Lock Valve e. Directional Control Valve f. Hose Assemblies								
4. Paint a. Coverage								
5. Equipment Data Plates a. Condition b. Mounting								

REMARK:

FINAL INSPECTION CHECKLIST
SERVICING PLATFORM, MODEL LRT 110

Equipment Serial Number: _____

Servicing Platform Model LRT 110 NSN 2320-01-312-2616	S T	T E S T E D	S E R V I C E	L U B R I C A T E D	U N S A T	REMARKS
1. Platform Assembly a. Guards b. Gate Assembly 1. Hinges 2. Latch 3. Gate c. Decking d. Side Walls e. Platform Frame Members						
2. Adapter Assembly a. Weldment b. Pins and Pin Retainers						
3. Hydraulic Assembly a. Leakage b. Hydraulic Cylinder c. Hydraulic Pump d. Lock Valve e. Directional Valve f. Hose Assemblies Hydraulic system at correct oil level?						
4. Equipment Paint Condition Coverage Spec. Conformance						
5. **Equipment Data Plates** Condition Mounting						